

IN THE CLAIMS

Please amend the claims to read as indicated herein.

1. (currently amended) Apparatus for measuring absorbance, comprising:
a light source for emitting a sample beam ~~which is incident upon a cell having a sample area, said cell being arranged to reflect said sample beam to a detector;~~
a modulator for varying a position of incidence of, ~~wherein said apparatus further comprises~~
modulation means arranged to modulate said sample beam upon a cell having a sample area
so as to improve the sensitivity of an absorbance measurement; and
a detector for detecting a reflection of said sample beam from said cell for an absorbance
measurement.
2. (currently amended) Apparatus as claimed in claim 1, wherein said ~~modulation means~~ modulator includes a scanning device arranged to move said sample beam from a first position in which said sample beam is incident upon said sample area to a second position in which said sample beam is not incident upon said ~~cell~~ sample area.
3. (previously presented) Apparatus as claimed in claim 2, wherein said scanning device is a linear scanning device.
4. (previously presented) Apparatus as claimed in claim 3 wherein said linear scanning device is arranged to move said cell.
5. (currently amended) Apparatus as claimed in claim 3, ~~wherein said apparatus further comprises~~
further comprising an optical element upon which said sample beam is incident ~~and, wherein~~ said linear
scanning device is arranged to move said optical element.
6. (currently amended) Apparatus as claimed in claim-4 3, wherein said linear scanning device is a motor.
7. (currently amended) Apparatus as claimed in claim-4 3, wherein said linear scanning device is a piezo-electric device.

8. (currently amended) Apparatus as claimed in claim 2, ~~wherein said apparatus further comprises~~
further comprising an optical element upon which said sample beam is incident and, wherein said
scanning device is an angular scanning device arranged to move said optical element.

9. (original) Apparatus as claimed in claim 8 wherein said angular scanning device is a
galvanometer.

10. (previously presented) Apparatus as claimed in claim 1, wherein said apparatus includes a dual
beam configuration.

11. (previously presented) Apparatus as claimed in claim 1, wherein said cell comprises a first glass
plate bonded to a second glass plate, said first plate having a flow channel formed therein and said second
plate having reflection means deposited thereon.

12. (currently amended) Method for measuring absorbance comprising:
transmitting a light beam through a cell having a sample area;
~~reflecting said light beam to a detector; and~~
modulating said sample light beam such that said ~~sample light~~ beam is moved from a first position
in which said sample light beam is incident upon said sample area to a second position in
which said sample light beam is not incident upon said ~~cell~~ sample area, ~~thereby improving~~
~~the sensitivity of an absorbance measurement; and~~
reflecting said light beam from said cell to a detector for an absorbance measurement.